

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/002877

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl.⁷ F24C1/00, F22G1/16, F24C15/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl.⁷ F24C1/00, F22G1/16, F24C15/32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 54-127769 A (Mitsubishi Electric Corp.), 03 October, 1979 (03.10.79), Full text (Family: none)	1-6
A	JP 2002-153380 A (Kabushiki Kaisha Nakanishi Seisakusho), 28 May, 2002 (28.05.02), Full text (Family: none)	1-6
A	JP 54-59372 A (Matsushita Electric Industrial Co., Ltd.), 12 May, 1979 (12.05.79), Full text (Family: none)	1-6

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
-A- document defining the general state of the art which is not considered to be of particular relevance
-E- earlier application or patent but published on or after the international filing date
-L- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
-O- document referring to an oral disclosure, use, exhibition or other means
-P- document published prior to the international filing date but later than the priority date claimed

-T- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
-X- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
-Y- document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
-&- document member of the same patent family

Date of the actual completion of the international search
11 May, 2005 (11.05.05)

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Name and mailing address of the ISA/
Japanese Patent Office

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 8-49854 A (Matsushita Electric Industrial Co., Ltd.), 20 February, 1996 (20.02.96), Full text (Family: none)	1-6
A	JP 2002-517704 A (RATIONAL AG), 18 June, 2002 (18.06.02), Full text & US 6267045 B1 & EP 1092115 A & WO 99/63277 A1 & DE 19824172 A & DE 59900554 D	1-6